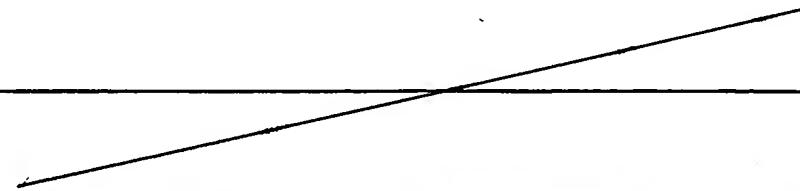

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>				ATTY DOCKET NO. TEC1209-01/C-501		APPLICATION NO. 10/657,311		
				APPLICANT(S) David K. Haller et al.				
				FILING DATE September 8, 2003		GROUP ART UNIT 3746 3748		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		Re. 34,297	06/29/1993	Elson	417	373		
		Re. 25,569	05/05/1964	Coron et al.	330	117		
		2,661,172	12/01/1953	Needham	248	19		
		3,039,725	06/19/1962	Kerley, Jr.	248	20		
TT		3,145,960	08/25/1964	Langdon	348	19		
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		2001/0055536	12/27/2001	Bernardi et al.	418	65.6		
TT		2001/0006603	07/05/2001	Hong et al.	418	55.1		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
TT		JP2001020881A	01/23/2001	Japan	I	I		
I		JP410148191A	06/02/1998	Japan	I	I		
I		JP2002098056A	04/05/2002	Japan	I	I		
TT		JP2002021729A	01/23/2002	Japan	I	I		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
								
EXAMINER 				DATE CONSIDERED DEC 6, 2004				
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
~~3746~~ 3748

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	3,749,340	07/31/1973	Williams et al.	248	24	
	3,785,167	01/15/1974	Sahs	62	296	
	4,089,613	05/16/1978	Babbitt, Jr.	403	388	
	4,389,171	06/21/1983	Eber et al.	410	16	
TT	4,416,594	11/22/1983	Ichikawa	417	360	

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

[Signature]

DATE CONSIDERED

DEC 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
~~3746~~ 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	4,497,615	02/05/1985	Griffith	417	310	
	4,518,276	05/21/1985	Mitchell	403	13	
	4,552,518	11/12/1985	Utter	418	55	
	4,557,677	12/10/1985	Hasegawa	418	63	
TT	4,685,188	08/11/1987	Goy	29	446	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

DEC 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
3746 3748

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	4,792,288	12/20/1988	Gromoll et al.	417	278	
	5,012,896	05/07/1991	Da Costa	184	6.16	
	5,062,779	11/05/1991	Da Costa	418	270	
	5,176,506	01/05/1993	Siebel	417	368	
TT	5,222,885	06/29/1993	Ramshankar et al.	418	96	

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

[Signature]

DATE CONSIDERED

DEC. 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
~~3746~~ 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,224,845	07/06/1993	Mangyo et al.	417	423-13	
	5,247,738	09/28/1993	Yoshii	29	888-022	
	5,312,234	05/17/1994	Yoshii	418	55.1	
	5,345,785	09/13/1994	Seldigami et al.	62	468	
TT	5,345,970	09/13/1994	Leyderman et al.	137	856	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

[Signature]

DATE CONSIDERED

DEC 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

TEC1209-01/C-501

APPLICATION NO.

10/657,311

APPLICANT(S)

David K. Haller et al.

FILING DATE

September 8, 2003

GROUP ART UNIT

3746 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,346,375	09/13/1994	Akiyama et al.	418	15	
	5,348,455	09/20/1994	Herrick et al.	418	63	
	5,370,156	12/06/1994	Peracchio et al.	137	856	
	5,391,066	02/21/1995	Sawai et al.	418	55.6	
TT	5,474,433	12/12/1995	Chang et al.	418	55.4	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

[Signature]

DATE CONSIDERED

DEC 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
3746 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,487,648	01/30/1996	Alfano et al.	417	312	
	5,531,577	07/02/1996	Hayase et al.	418	55.1	
	5,579,651	12/03/1996	Sugiyama et al.	62	469	
	5,580,233	12/03/1996	Wakana et al.	418	94	
TT	5,597,293	01/28/1997	Bushnell et al.	417	410.3	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

DEC. 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
~~3746~~ 3748

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,597,296	01/28/1997	Akazawa et al.	418	55.1	
	5,634,781	06/03/1997	Yoshida et al.	418	55.1	
	5,645,408	07/08/1997	Fujio et al.	418	55.4	
	5,660,539	08/26/1997	Matsunaga et al.	418	55.6	
TT	5,683,237	11/04/1997	Hagiwara et al.	418	55.2	

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

DEC 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
3746 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,720,601	02/24/1998	Tark et al.	417	569	
	5,752,688	05/19/1998	Campbell et al.	248	674	
	5,769,126	06/23/1998	Cho	137	856	
	5,775,894	07/07/1998	Kosco, Jr.	418	63	
TT	5,829,959	11/03/1998	Tsubono et al.	418	55.6	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

DEC 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
~~3746~~ 5748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,863,190	01/26/1999	Yamamoto et al.	418	35.1	
	5,913,892	06/22/1999	Kwon	62	296	
	5,931,650	08/03/1999	Yasu et al.	418	35.3	
	5,964,581	10/12/1999	Iizuka et al.	417	410.3	
TT	6,011,336	01/04/2000	Mathis et al.	310	91	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

DEC. 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

TEC1209-01/C-501

APPLICATION NO.

10/657,311

APPLICANT(S)

David K. Haller et al.

FILING DATE

September 8, 2003

GROUP ART UNIT

~~3746~~ 3748

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	6,027,321	02/22/2000	Shim et al.	418	1	
	6,039,551	03/21/2000	Takeuchi et al.	418	88	
	6,050,794	04/18/2000	Noboru et al.	418	55.6	
	6,056,523	05/02/2000	Won et al.	418	15	
TT	6,132,191	10/17/2000	Hugenroth et al.	418	55.1	

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

[Signature]

DATE CONSIDERED

DEC 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
3746 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	6,139,291	10/31/2000	Perevozchikov	418	55.1	
	6,167,719	01/02/2001	Yakumaru et al.	62	468	
	6,171,076	01/02/2001	Yakumaru et al.	62	468	
	6,179,589	01/30/2001	Bass et al.	418	55.1	
TT	6,224,356	05/01/2001	Dewar et al.	418	55.1	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED
DEC. 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. TEC1209-01/C-501		APPLICATION NO. 10/657,311	
				David K. Haller et al.			
				FILING September 8, 2003		GROUP ART 3746 3748	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT	6,227,830	05/08/2001	Fields et al.	418	55.1		
	6,247,910	06/19/2001	Yokoyama	418	55.1		
	6,261,073	07/17/2001	Kumazawa	418	63		
	6,264,446	07/24/2001	Rajendran et al.	418	55.6		
TT	6,280,154	08/28/2001	Clendenin et al.	417	410.5		

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

EXAMINER 	DATE CONSIDERED DEC. 5, 2004
--------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
TEC1209-01/C-501

APPLICATION NO.
10/657,311

David K. Haller et al.

FILING
September 8, 2003

GROUP ART
~~3746~~ 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	6,299,423	10/09/2001	Perevozchikov	418	55.1	
TT	6,305,912	10/23/2001	Svendsen et al.	417	313	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

DEC 6, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.